

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Previously Presented) A method comprising:

encoding a software module to reserve memory space in a managed runtime environment (MRTE) that allows a network software memory program to bypass a central processing unit to access the memory space when just-in-time (JIT) application code is received in the a managed runtime environment (MRTE[]), the network software memory program operating according to a remote direct memory access protocol (RDMA), wherein the JIT application code is transported via RDMA to the MRTE environment; and

recognizing receipt of the JIT application code with a JIT compiler and class loader such that a TCP/IP socket through which the JIT application code is received does not notify the MRTE of the receipt of the JIT application code.

8. (Canceled)

9. (Original) The method of claim 7 wherein said encoding the software module comprises programming a managed runtime environment to recognize memory space that is accessible by a remote direct memory program

10. (Currently Amended) A computer-readable medium having stored thereon at least one instruction that, when executed by a computer, causes the computer to perform:

~~encoding of a managed run time environment to reserve memory space for direct access by a remote direct memory program for just in time application code~~ a software module to reserve memory space in a managed runtime environment (MRTE) that allows a network software memory program to bypass a central processing unit to access the memory space when just-in-time (JIT) application code is received in the MRTE, the network software memory program operating according to a remote direct memory access protocol (RDMAP), wherein the JIT application code is transported via RDMAP to the MRTE environment; and

recognizing receipt of the JIT application code with a JIT compiler and class loader such that a TCP/IP socket through which the JIT application code is received does not notify the MRTE of the receipt of the JIT application code.

11. (Original) The computer-readable medium of claim 10 wherein the managed runtime environment reserves memory space for direct access by a network software program.

12. (Original) The computer-readable medium of claim 10 wherein the computer-readable medium comprises a storage medium comprising an instruction set configured to provide communication between the managed runtime environment and the remote direct memory program.

13-19. (Canceled)